

DESCRIPTION	
<b>Species Reactivity</b>	Mouse
<b>Specificity</b>	Stains mouse CXCR6-transfected cells but not irrelevant transfectants.
<b>Source</b>	Monoclonal Rat IgG <sub>2B</sub> Clone # 221002
<b>Purification</b>	Protein A or G purified from hybridoma culture supernatant
<b>Immunogen</b>	CHO Chinese hamster ovary cell line transfected with mouse CXCR6 Met1-Leu351 Accession # Q9EQ16
<b>Conjugate</b>	Phycoerythrin Excitation Wavelength: 488 nm Emission Wavelength: 565-605 nm
<b>Formulation</b>	Supplied in a saline solution containing BSA and Sodium Azide. See Certificate of Analysis for details.  *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

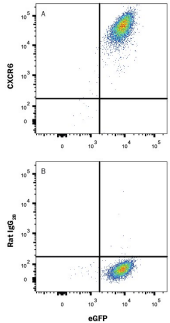
## APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. *General Protocols* are available in the *Technical Information* section on our website.

	Recommended Concentration	Sample
<b>Flow Cytometry</b>	10 $\mu$ L/10 <sup>6</sup> cells	See Below

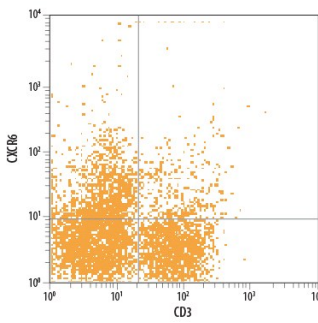
## DATA

**Flow Cytometry**



**Detection of CXCR6 in BaF3 Mouse Cell Line Transfected with Mouse CXCR6 and eGFP by Flow Cytometry.** BaF3 mouse pro-B cell line transfected with mouse CXCR6 and eGFP was stained with either (A) Rat Anti-Mouse CXCR6 PE-conjugated Monoclonal Antibody (Catalog # FAB2145P) or (B) Rat IgG<sub>2B</sub> Phycoerythrin Isotype Control (Catalog # IC013P). View our protocol for [Staining Membrane-associated Proteins](#).

**Flow Cytometry**



**Detection of CXCR6 in Mouse Splenocytes by Flow Cytometry.** Mouse splenocytes treated with PMA and Calcium Ionomycin overnight were stained with Rat Anti-Mouse CXCR6 PE-conjugated Monoclonal Antibody (Catalog # FAB2145P) and Rat Anti-Mouse CD3 APC-conjugated Monoclonal Antibody (Catalog # FAB4841A). Quadrant markers were set based on control antibody staining (Catalog # IC013P). View our protocol for [Staining Membrane-associated Proteins](#).

## PREPARATION AND STORAGE

<b>Shipping</b>	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
<b>Stability &amp; Storage</b>	<b>Protect from light. Do not freeze.</b> <ul style="list-style-type: none"> <li>12 months from date of receipt, 2 to 8 °C as supplied.</li> </ul>

## BACKGROUND

CXCR6, also known as Bonzo and STRL33, is a G protein coupled chemokine receptor expressed on activated T cells and tumor-infiltrating lymphocytes. It binds soluble CXCL16 and membrane-anchored CXCL16 expressed on dendritic cells and macrophages.